



Faculty of Engineering & Computing Sciences

COMPUTING VISION

Volume 5

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A STUDENT MAGAZINE

**CCSIT idea factory
A voice of an effort.....**





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Hon'ble Chancellor's Message



Shri Suresh Jain

New Year Greetings to everyone! I feel immense pleasure to note that Computing Vision, quarterly magazine highlighting the various activities has been receiving an overwhelming response from every corner of the university. Computing Vision has always been an admirable forum for bringing into light the various activities carried out at Faculty of Engineering & Computing Sciences. Since 2015, the magazine has a glorious journey of serving to the academic fraternity to its credit. Best wishes to Team Computing Vision for their endeavor of bringing out the issues of magazine on time. Certainly, this creative endeavor has been introducing an array of artistic and scientific expressions. The college deserves applaud in having brought FoECS's achievements into light through this magazine and I am looking forward to another exciting year of ideas, articles and activities. With collective efforts, it's my heartfelt hope that 2020 will surely mark the expansion of research and activities on the ground of quality and quantity. Wishing you and your family a very happy, active and prosperous New Year.

Hon'ble Group Vice Chairman's Message

It gives me great pleasure indeed to wish the readers of 'Computing Vision' an inspiring and fulfilling year of 2020. Great feeling of satisfaction comes to the heart on noticing that Faculty of Engineering & Computing Sciences made important strides in numerous domains be it academics, research or extra curricular in 2019. I wish to extend heartiest congratulations to Prof.R.K. Dwivedi, Director FoECS, Faculty members and dear students for their untiring strives and passion for excellence. Computing Vision, since inception, has been providing a great platform for dialogue and undoubtedly it is praise worthy that the team is really working so laboriously to bring out each issue of the magazine on time without any fail. I applaud the editorial team for their untiring hard work and utmost dedication they have put in to actualize this goal, and wish my dear students success in all future endeavors. Wishing you a Happy & Prosperous New Year once again!



Shri Manish Jain

Vice Chancellor 's Message



Prof. Rakesh K. Mudgal

2019 was a fantastic year for us. Despite the rising challenges facing higher education, TMU continues to attain further successes in its journey towards global prominence. University is the seat of higher learning where education and research go hand in hand and opens door for the students to enter the vast domain of knowledge. As a strong believer and practitioner of the dictum "Knowledge is Power", TMU is on the path of delivering quality education by developing the young human resources on the foundation of ethical and moral values, while boosting their leadership qualities, research culture and innovative skills. Moving forward, let us continue our primary focus in providing superior academic programmes, innovative research and enriching student experiences in our quest towards global prominence. Let us also keep pushing and striving towards excellence to ensure our achievements and success are maintained for the New Year.

Pro Vice Chancellor's Message

As we mark the end of the year 2019 and ready to usher into the new year of 2020, I wish all Faculty, Staff and Students a very happy and successful 2020. Education is the most important key to build a knowledge-based society and the prime mover for attaining sustainable development. Considering the importance of education,

I would like to commend all faculty, staff and students for their contribution towards the success of our university. Our new initiations are sign of the university's long term ambition to maintain high standards and achieve global reputation. I look forward for our collaborative success, and I wish you all a rewarding and happy 2020.



Prof. Raghuvir Singh



Message Board

Prof. Rakesh Kumar Dwivedi
Principal

Education is the best tool of human empowerment through education one can gain confidence, strength and wisdom, good education brings harmony and divine humanism. However collective empowerment begins with transformation individual.

I would like to convey my new year wish of 2020 apply better thinking, feeling and acting to overcome with egoistic pursuits. As a teacher we must reshape our outer purpose of life and activities and accordance with inner purpose of revelation of cosmic solidarity in profound oneness of existence. The real purpose of life is to assert our essential divinity and thereby invoke our divine inheritance.

I feel a great pleasure to share with you that CCSIT, TMU is continuously publishing this student magazine since last four and half years many thanks to Ms. Sonali Vishnoie (Sr. faculty of Animation section) who worked hard to publish the first version of the magazine. She is true academic thinker and knows the utility of such kind of publication. I am sure that CCSIT will continue her initiative for the benefit for students.



— HAPPY NEW YEAR —

Certificate of Achievement



Session Chaired by Prof. R. K. Dwivedi in, 2019, 4th International Conference on Information Systems and Computer Networks (ISCON) in GLA Mathura



Delivered Guest Lecture on machine learning and IoT at Rajkiya Engineering College Banda, this workshop was organised by the department of Information Technology of Rajkiya Engineering College Banda (U.P.) in collaboration with NIE Mysuru under TEQIP-III from 9th September to 13 September 2019.



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11

13



Memorable Event - 2K19

1. Inaugural of Management Premiere League
2. "Technotsav - 2019"
3. International Conference on Advanced Computing (ICAC-2019)
4. IGNITE - 2019
5. Best Project Award
6. SAFARNAMA 2019 B.Tech Farewell
7. "Vote for Nation" organised by NSS team of CCSIT
8. Role of Women's in Shaping New India
9. PARYUSHAN PARVA
10. Fresher Party, BCA
11. NPTEL Awareness workshop at TMU's CCSIT





- 12. OPENING OF IMAC LAB (animation Department)
- 13. AARAMBH - 2019 1st Year Orientation Programme
- 14. Outcome Based Education & Accreditation
- 15. DISHA The Techno Fest
- 16. SMART - 2019
- 17. Deepostav - Celebration of Festival of Light by TMU & INURTURE
- 18. Educational Tour
- 19. SPARDHA-2K19- Annual Sports meet of FOE&CS





FRESHER PARTY - 2K19

- 1- B.Tech CS, (FESTIN-o-BEATS)
- 2- B.Tech AI, ML, (FESTIN-o-BEATS)
- 3- B.Tech DL, IBM (FESTIN-o-BEATS)
- 4- BCA ("NEOBYTES")
- 5- B.Sc Hons (CS) (NAYA DAUR)
- 6- B.Sc Animation ("AGAAZ")
- 7- BBA iNurture ("NEWBIE's DAY")
- 8- BCA + B.Tech iNurture
- 9- Math Department
- 10- Physics Department
- 11- Chemistry Department
- 12- B.Tech. EE Department ("ROOBAROO")
- 13- B.Tech. ME CE, EC Department ("ROOBAROO")

IBM Day Celebration (Technovate 19)

The workshop officially commenced with an inaugural at 10:00am sharp. As the dignitaries, witnessed Prof. (Dr.) R. K. Dwivedi (Director-CCSIT) and Dr. Rajeev Kumar, B.Tech IBM Program Coordinator, TMU.

The workshop took place in a classroom-like atmosphere, laptop in hand. During the workshop faculty members got introduced to basics of Android OS work through modules. These modules include designing effective navigation, managing audio playback, hooking up widgets such as buttons, list views, applying skins, themes, interfacing GPS, camera etc.

Two days Event was organized at CCSIT, TMU 15/11/2018 to 16/11/2019 for B.Tech CSE-IBM students to familiarize them with various communication technologies and emerging research trends in the field of computer technologies. IBM Day celebration is world's Best Industrial Exposure.

Reevaluate the new invention at IBM was scheduled for B.Tech IBM computer science students for giving an overview of computer technologies in the field of new research trends and networking. For this purpose, Mr Aman Bagchi (IBM Head) from IBM gave a presentation about their company and subsequently about



technologies by briefly explaining new inventions Wi-Fi, WiMax, Bluetooth and different generations of technologies steps involved in Computer Science (frequencies used, types of modulation methods, types of propagation and various terminologies used in the language of communication methods). He also explained the research and inventions procedures in which they described various related terms. Students were particularly excited to compare their own technology and new technology with respect to features discussed in the presentation.

Questions were answered by professionals from IBM and students were well satisfied with the answers.



**KVCH
Oracle
WDP**

The Oracle Workforce Development Program (WDP) helps educational institutions around the world to prepare a new generation of IT specialists to enter the

workforce with the most in-demand Oracle Skills.

By enabling students to offer authorized Oracle Training Content as a part of existing degree programs, students can learn those desirable job skills required for increasingly competitive work environment. The program also addresses the growing shortage of skilled employees in the global technology industry by allowing you to offer Oracle authorized training.

KVCH was established in 1991. KVCH is committed to impart industry oriented training programs to produce world class technically sound manpower so that they can meet the industry requirements. Our technical trainers are dedicated to not only provide a customized / tailor made technical hands on training but also bringing innovative solutions with the latest technologies available.

They conducted Internship Drive for B.Tech(CS/IT/EC) & MCA students at FoECS college. Selected candidates will work on Live Projects. Training would commence from Jan' 2020. Two students from B Tech and One from MCA Student was selected.

Recognition of Software Developers (Oracle 11g And VB.Net)



Oracle 11g & Software Development using VB.Net is a short term training program coordinated by Mr. Ajay Rastogi and Ms Swati Vishnoi. Its objective is to provide the project development skills and Essential Oracle Database understanding to the student.

All the students created the real world software application with the help of Visual Studio platform and Oracle Database. The kits were distributed on 05 November 2019 by our Dynamic Principal Prof. (Dr.) Rakesh Kumar Dwivedi. He motivated the students for continuous learning.

He told that this is the beginning not the end. On this occasion, HoD Dr. Ashendra Kumar Saxena, and oracle short term coordinators Mr. Ajay Rastogi and Ms. Swati Vishnoi were present to grace the event.

One Day Workshop on Introduction to python

Workshop on "Introduction to python for beginner" was organized on 7th November 2019 for B.Tech (CTIS) IInd & IIIrd year students to give them basic understanding of python language as this language is very useful in industry and research labs. Most of the real-world problems are being solved through python and R programming nowadays. The topics covered in the workshop are: **Introduction about python programming and it's basic oops concepts, List, Dictionary, Set and Tuple, Machine Learning.....**

The workshop also covered Lab Work:

- Perform slicing in List
- Store data in Dictionary
- Work on Tuple and Set
- Developed calculator through python programming

At the end of the workshop, student got to know about python programming and its usage, understanding about list, dictionary, set and tuple in python programming and basic knowledge about Machine learning.



Drawing competition on “Ganesh Chaturthi”

A drawing competition was held among the students of B Sc Animation, CCSIT, TMU on 2 Sept 2019. The event was coordinated by Mr Pradeep Kumar Gupta Faculty of Animation and was supported by Ms Sonali Vishnoi and other members of Animation Deptt.

63 Students of all semesters of B.Sc. Animation participated in the competition and showcased their creativity in the form of Posters. The entries were evaluated by a panel of judges and 2 winners were declared from each semester. From 1st semester Mohini Verma and Akshat singh, from 2nd semester Archana Saini and Shaniya Jamal and from third semester Ishika Agarwal and Saumya Jain were declared as winner. Prof R. K Dwivedi (Principal CCSIT) appreciated the overwhelming participation of students and the initiative taken by faculty of Animation for organizing such a beautiful and creative event.



**IBM
BOOK
Distribution**

College of Computing Sciences and Information Technology distributed the book material to B.Tech CSE- IBM students in September 2019. The purpose was to measure the effectiveness and impact of this distribution on the recipient students and to use the findings to improve the quality of education. In total, 39 beneficiary students were involved in this process.

The distribution process was carried out successfully by joint efforts of TMU-IBM. The books were distributed by Prof. R.K. Dwivedi, Principal CCSIT, Teerthanker Mahaveer University and Dr. Rajeev Kumar, Program Coordinator of B.Tech- IBM and Associate Prof. CCSIT, TMU Moradabad.

Two Days Training session on Automobile & IC Engine Design (AUTOBREAK)

Department of Mechanical Engineering, FOE&CS, TMU organized a two days training session on Automobile & IC Engine Design (AUTOBREAK) on 18th and 19th November 2019. Session was inaugurated by lighting the lamp before Goddess of Knowledge- Maa Saraswati, followed by welcome address by Principal FoE& CS, Dr (Prof.) R.K Dwivedi. Mr.Manish Dhingra, HoD Mechanical Engineering apprised the audience about purpose and benefits of the training session.

Expert of the program, Mr Ashish Jha, Senior Executive Service Engineer at Future Generali India Insurance Company Ltd, deliberated a session on first day about concepts and recent trends of Automobile and IC Engine to B.Tech Mechanical First, Second, Third and Final year students.

On second day of training session expert gave demonstration of various automobile components and IC Engine to students in IC



Engine Lab in different batches and simultaneously taught design of automotive components on CATIA software to alternate batches on rotation basis. Students designed automobile parts at their laptops.

All faculty members of Mechanical Engineering department contributed in successful completion of the training session. Two days training session was concluded with vote of thanks given by Mr Manish Dhingra.

“Design & Installation of Solar Photovoltaic System”

With the advent of solar renewable energy, PV systems have achieved maximum market presence. In order to inculcate market ready skills in our students, FOECS had started a pilot project in 2017 named “Design and installation of solar photovoltaic system”. To get industrial exposure for same, Two-Days workshop on “Design & Installation of Solar Photovoltaic System” in collaboration with AMPERES ENERGY SOLUTION Group, Noida was organized for B.Tech Electrical & Electronics students on 2- 3 December 2019. Mr. Ashutosh Sharma, Director & Ms Akanksha Maurya, Procurement Manager shared their valuable inputs in the workshop. The workshop aimed at providing opportunities to students to enrich their technical knowledge in the field of Solar Energy, installation, operation and maintenance of solar PV systems. The workshop was useful for entrepreneurs and engineers working in the field. Workshop was well coordinated by Pradeep Kumar Verma. Other faculty members of the department also marked their presence in the workshop.



Saturday Activity of (Odd Semester) 2K19



MCA 1st Year Programming Activity



BCA
1st
Year
Presentation
Activity



B.Sc Hons CS Programming Activity



B.Sc Hons CS Presentation Activity



B.Sc Animation Presentation Activity



Field Project Presentation of Engineering

Panel Discussion on Role of Emotional Motivators in Leadership

On 19th October I-Nurture & TMU in association with Employment Mantras organised a Panel Discussion on Role of Emotional Motivators in Leadership. The objective of this Panel Discussion was to have an open interaction with the students on various traits of emotional motivation. The Panel



Discussion was commenced in the presence of Dr. R.K. Dwivedi Principal of FOE &CS. Mr. Bharat Pandey welcomed Dr. R. K. Dwivedi and other guests by presenting bouquet and token of respect. Dr. R.K. Dwivedi graced all the present guest and audience with his point of view on motivation. He also highlighted the immense importance of motivation and leadership in life. More than Seventy Five students participated in this discussion from various courses of BBA, B.Tech, BCA I-Nurture, B.Tech IBM, B.Sc Honours and Fine Arts.

Ms. Shilpi Dixit (Entrepreneur, H.R and Academician) was the keynote speaker of the discussion, she welcomed Principal Dr. R.K. Diwedi by gracing him with a Shawl. She emphasized on various emotions and their importance in life. She also correlated work life balance and emotions. The other speaker was Ms. Ratika Chawla (Trainer and Academician). She conducted a practical engaging session with the students.

Dr. R.K. Diwedi, Mr. Bharat Pandey, Mr. Avinash Saxena, Mr. Ajay Sharma, Mr. Manoj Gupta and Ms. Preety Saini gave away the Gifts and Mementos to the Guests of the program. This event was graced by the presence of Mr. Navneet Vishnoi, Mr. Ajay Tiwari, Mr. Sandeep Verma, Mr. Abhishek Saxena, Mr. Manoj Gupta. Rahul Jain from I-Nurture did anchoring and conducted the program smoothly. The members of the organizing team Shubh Sareen, Yash, Bareera, Lakhavveer, Vidushi played commendable roles.



Workshop on Data Science using R



A workshop was organized on Data Science using R, which was conducted by Mr Akash Shrivastava. The workshop was attended by B.Tech 3rd year and 4th year students. Mr. Akash enlightened the students about Data science and machine learning domain and how it became the most demanding skill set in IT industry. He discussed various case studies where Data science is being used. The implementation of Regression machine learning algorithm was carried out using R tool where students got hands-on exposure over the processing and visualization of Automobile Industry data set.

Training On "DATA SCIENCE USING R"

CCSIT Conduct the training on "R Tool with Data Science" for the B. Tech, BCA and B.Sc (Hons.) students .This was a 40hrs training program where students learned the R Tool and applied it on Data Science. As the world has entered the era of big data, the need for its storage has also grown.

It was the main challenge and concern for the enterprise industries until 2010. The main focus was on building framework and solutions to store data. Now when Hadoop and other frameworks have successfully solved the problem of storage, the focus has shifted to the processing of this data. Data Science is the secret source here.

CCSIT conduct this training program in collaboration with Rostan Technologies Pvt. Ltd, Gurgaon. Mr.Sunil Arora, Training Head gave the training from Rostan Technologies. Principal Prof. Rakesh Kumar Dwivedi said that this is the best practice adopted by the CCSIT to train the students on new emerging



technologies and in future we will again conduct this type of training program for CCSIT Students.

Dr. Ashendra Kumar Saxena (HoD) and Mr. Rajendra Prasad Pandey (Project Coordinator) coordinated this training program.

"Let's Play with Python" Short Term Course Kits Distribution"

Let's Play with Python was a short term training program coordinated by Mr. Rupal Gupta and Mr. Vineet Saxena. Its objective was to provide the project development skills and knowledge of python programming to the student. All the students created the software application with the help of Pycharm, python IDLE and sqlite database.

The kits were distributed on 11 October 2019 by our Dynamic Principal Prof.(Dr.) Rakesh Kumar Dwivedi. He motivated the students for continuous learning. He told that this is the beginning not the end. On this occasion, HOD Dr. Ashendra Kumar Saxena, Mohan Vishal Gupta, Manish Tiwari, Abhishek Saxena and Python short term coordinators Mr. Rupal Gupta and Mr. Vineet Saxena were present to grace the event.



Children's day celebration



SAMAGRA 2K19

"**SAMAGRA-2019**", An Inter-institutional Techno Cultural Fest - Organized By: It.s, Mohannagar, Ghaziabad by the department of information technology on 19th october, 2019. the event was aimed to provide an opportunity to the participating students from various institutes to come and flaunt their artistic, technical, literary and innovative skills. the event also included a series of technical and cultural events for participants to inculcate the spirit of competition and group dynamism amongst themselves.

The CCSIT winners in different events are as follows:-

C-PROGRAMMING	CARTOONING	JUST A MINUTE	DUET DANCE
Gopal Jain (1st) Varnit Jindal (2nd)	Amar Agarwal (IInd) –	Amar Agarwal (1st)-	Sambhav Jain (IIIYr) Umang (1st)



Quiz Competition



Quiz Competition organized by B.Sc. (Hons)- CS. The theme of Quiz was related with Diwali and Children's Day. Many thanks to Dr. Danish Ather ji, Mr. Pradeep Kumar Sharma Ji, Mr. Abhishek Saxena ji, and Mr. Nikhil Ji for supporting and encouraging the students.

Guest Lecture on “Big Bang and The Expanding Universe”

The lecture started with how the universe began. Dr. Punit simplified the concept of space time. He shared his knowledge that space and time are not different concepts but should be taken on equal footing. Newtonian Gravity doesn't hold good for the celestial stars. He elucidated that the universe began with singularity. He said that singularity is infinite density and where there is no space and time. Just after big bang the hot gases (billion degrees Celsius) started expanding rapidly. There were fissures which developed. Those fissures started to develop as stars. The stars captured the hot gases. Slowly space time started to develop.

The stars started to grow rapidly. As the gases cooled further the planets started forming. He further told that the Universe is expanding according to the Hubble's Law. He told how Einstein formulated the General theory of relativity (GTR). According to GTR space and time are warped. As the massive objects move in this space time metric it creates an attraction to the smaller objects. Gravity isn't force according to GTR but it's



the space time curvature which leads smaller objects to revolute about the massive objects (for eg. Sun and planets system)

Further he discussed about the scenarios leading to the end of the Universe viz. big crunch and cold dark Universe.

The lecture ended with question and answer sessions. Memento was presented by respected Director (FOE&CS) Sir to Dr. Punit Kumar.

The lecture was attended by HOD Physics, HOD, Chemistry, HOD, EEE and faculties from various departments. A vote of thanks was presented by Dr. Ajay Kumar Upadhyay.

Industrial Visit of Network Bulls Technologies

Industrial Visit of CCSIT & FoE students. They have visited Network Bulls Technologies and make an understanding of Highest Level of Technical and Operational skill requirements for IT and Management Professionals.

We believe in assuring business continuity by incorporating the Best of Business Processes & Practices. Many thanks to Shri Vikram Raina ji, Dr. Danish Ather ji Dr. Sandeep Verma and Madam Soniya Sharma ji for assisting our students for this trip.



“Educational Tour- (IUAC)”

The educational tour as per the curriculum was an exposure trip to a place of scientific importance. It was a tour of students of Physics course with two faculties of Physics, Dr. Amit K. Sharma and Dr. Vishnu Prasad Shrivastava. At around 12.30 pm, Dr. Golda Komalan



given a PPT presentation of various facilities of IUAC in lecture Hall. This presentation showed various particle / ion accelerators and working -principle and importance. After lunch break, we moved towards Rutherford Back-Scattering (RBS) Lab where Mr. Umapati, Scientist and Mr. Abhishek Singh, Scientist gave information about 1.7 MV Pelletron accelerators, a RBS chamber and a 4-axis goniometer. They explain how this system measures the

number and energy of ions backscattered after colliding with atoms of the sample enabling the determination of atomic mass and elemental concentration versus depth below the surface. After that, they have shown Accelerator Mass Spectrometry (AMS) facility for radiocarbon dating or time-stamping of geological and prehistoric samples. The facility uses a 500kV Pelletron accelerator and automated graphitization equipment (AGE). AMS is an ultra-sensitive technique and can be applied for the detection of long-lived radio nuclides in many branches of science e.g. Geology, Archaeology, Hydrology, Environmental Science, Bio-medicine, etc. After this, we moved visit pelletron control unit lab, where Mr. Yashraj, Scientist gave wonderful explanation and demonstration of Tandem Van de Graaff Ion accelerator which is the biggest in India and one of the world's about half a dozen operational large Tandem Accelerators with terminal potential above 15 Million Volts.

Navratri-Bhakti Mahotsavon

The Bhakti Mahotsav Competition was organised by BBA iNurture in collaboration with FOE&CS.

Sincere gratitude and thanks to our Honourable, respected and dear Principal Sir, Navneet Sir, Manish Sir, Ashendra Sir, Ajay Sir, Abhishek Sir, Sandeep Sir, Ratan Sir, Pramod Sir, Praful Sir for their constant support in making this event a successful one.

Sincere gratitude to Principal Sir for always being their as a source of enlightenment and motivation.

A heartfelt thanks to my faculty, administrative and student team of BBA.



“Innovation Day campaign”

According to the proposed plan IIC faculty of Engineering organised a Poster & Slogan making competition, which was held on 14 October 2019 for Innovation Day Campaign on the birth anniversary of Dr A P J Abdul Kalam. The Theme was “Innovation”. This competition was organized to create awareness on innovation and entrepreneurship. FoE-TMU students made posters and wrote slogans on innovation. Director & Principal, FoE-TMU, Prof. R.K. Dwivedi gave a wonderful speech and motivated the students for organizing such a wonderful Workshop

A young mind is the sharpest mind, it learns and acts quickly. The education system today focuses on books and rote-learning, but time is changing, as these young geniuses, who choose to take a different path have proved. They have picked machines over books and ideas over words.

More than 100 students from all the departments of the college participated in the event with full zeal. The students



expressed their views and thoughts on Innovation day by drawing, writing slogans and quotes. One could see and feel the enthusiasm that the students had in their presentation. This activity kept the student engaged and it was organized to explore and encourage creativity in students and offer them a platform to showcase their skills. It inspired them to think and work creatively in order to promote innovation. They came up with amazing creativity. Their efforts and initiative were appreciated by one and all.



National Mathematics Day



Department of Mathematics, Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad (U.P.)-244001 has celebrated National Mathematics Day on the occasion of the birthday of Famous Indian Mathematician Late Shri Srinivasan Ramanujan". Prof. R K Mudgal (Hona'ble Vice Chancellor, TMU) has initiated the talk series on the achievements of Shri Ramanujan and it is followed by Dr. R K Dwivedi, Dr. Ruchi and Dr. L K Tiwari. Many thanks to Dr. Vipin Kumar ji for managing and coordinating this talk series.

Cricket Match - TMIMT VS CCSIT

Glimpse of cricket match played between TMIMT & LAW verses CCSIT & FOE at TMU cricket ground. Team CCSIT & FOE of TMU has won the match by 37 runs. NV-2 has contributed significantly better, he scored 58 runs. Really enjoyed. Many thanks to the organizers. Special thanks to Shri Manu Mishra ji and colleagues from College of Physical Education for their valuable support.



One Day IBM Placement Drive for Girl Students (B.Tech(CSE) + MCA)

Department of Computer Science & Engineering, FOE&CS, TMU has participated in IBM Placement drive for Girl Students of B.Tech(CSE) and MCA which was held on 26th Nov 2019 at United Group of colleges, Greater Noida.

IBM Placement drive was a pooled campus in which different colleges affiliated to AKTU and Colleges with IBM Specialized Course has participated. It was basically conducted for girl students only. This drive comprises following rounds: Game Playing, Personality Testing, Verbal, Coding and Personal Interview



From FoE&CS, 29 students registered for the drive but only 17 students participated in the same. One female faculty Ms. Surbhi Madan, Assistant Professor, FoE&CS TMU accompanied girl students during the drive. A traveller was provided from University to venue (Greater Noida). Students with faculty departed from university early morning at 5.45 AM and returned safely by 10.00 PM. Out of 17 no one has qualified all rounds.

“National Unity Day”

The Faculty of Engineering and Computing Sciences (FOECS), Teerthanker Mahaveer University, Moradabad celebrated “The National Unity Day” on the occasion of the 144th birth anniversary of the former Home Minister and the Iron Man of India, Sardar Vallabh Bhai Patel on 31st October, 2019 at 03:00 p.m. in the Lecture Theater-LT-2. The celebration started by lightning of the lamp before the portrait of Sardar Patel by Prof. Rakesh Kumar Dwivedi, Director/Principal (FOECS), Dr. Ashendra Kumar Saxena, HOD, Shri Shambhu Bhardwaj, Proctor and the coordinator of the event, Dr. Sandeep Verma, Prof. Bidyut Chatterjee, Dr. Asim Ahmad, Dr. Parag Agarwal, Shri Manish Dhingra and all other HODs and Faculty Members. On this occasion, Prof. Dwivedi highlighted the life and thoughts of Sardar Patel Ji in his speech. He delineated that Sardar Patel Ji is the great source of inspiration for the youth that is why his birth anniversary is celebrated as the national unity day. Prof. Dwivedi also motivated the gathering to implement the



thoughts and experiences of Sardar Patel Ji in keeping our sovereign country unified and integrated. The faculty members remembered Sardar Patel Ji through their speeches on the occasion. A documentary on the life of Sardar Patel Ji was also displayed. At the end of the programme, all students, faculty and staff members of the college took oath of national unity and integrity. Prof. Dwivedi extended his thanks to all the members of the college present there. The anchoring was done very nicely by Ms. Neha Anand.



Workshop on "System Operations on AWS"

iNurture Education Solutions one of the academic collaborative ally of Teerthanker Mahaveer University Moradabad(U.P.) has started three days Hands on Workshop on "System Operations on AWS" . Mr. Sanjay Punde (SME, Cloud Technology, Bangalore) is conducting this. Many thanks to Dr. Ratan Rana ji, Preety Mam Pramod ji and Prafull ji.





8th International **SMART** System Modeling & Advan 22-23 Nov

Eighth International Conference on "System Modeling & Advancement in Research Trends" (SMART-2019), in technical co-sponsorship with IEEE UP Section, is organized by College of Computing Sciences & Information Technology, TeerthankerMahaveer University, Moradabad on 22-23 November, 2019. The purpose of this conference is to make a scientific contribution to the field of computational creativity through discussion and publication on progress in fully autonomous creative systems, modeling human and computational creativity, computational support for human creativity, simulating creativity, and human/ machine interaction in creative endeavors. Contributions come from many relevant disciplines, including computer science, artificial intelligence, engineering design, cognitive science and machine learning and deep learning. The conference focuses on the study and exchange of academic achievements of international researchers. It serves as academic discussion communication platform which is beneficial for research in the field of computer science aiming to stimulate researchers in their work. The collection of papers in this conference proceedings are on Emerging Technologies, IOT & Wireless Communication, Digital India Initiative, Communication and Network Broadcast, Signal Image & Communicational Technology and Governance, Risk and Compliance.

SMART-2019 received 210 submissions and each submission was reviewed by external reviewers and evaluated on quality, originality, and relevance. The technical program committee accepted 71 papers. As a result, 71 submissions were selected for discussion at the meeting of the program chairs and all papers were accepted for the presentation at the conference. Out of 210 submissions, 71 were chosen to be published in the proceeding of SMART-2019. The papers presented at SMART-2019 were not its only highlight. In addition to the technical sessions, the conference featured keynote speeches by leading figures from industry and academia, such as 1. Prof. (Dr.) K.K. Aggarwal, Chairman, National Board of Accreditation. 2. Prof. S.N. Singh, Vice-Chancellor, MMM University of Technology Gorakhpur and IEEE Elect Chair-2019. 3. Prof. (Dr.) R.K. Mittal, Vice-Chancellor of Chaudhary Bansi Lal University, Bhiwani, and Founder V.C., TeerthankerMahaveer University, Moradabad, India.



International Conference
SMART - 2019
 Advancement in Research Trends
 September 2019

4. Dr. Danila Parygin, Associate Professor, VSTU, Cand. Tech. Sc., Volgograd, Russia. 5. Prof. Raghuraj Singh, Director, Kamla Nehru Institute of Technology, Sultanpur, Uttar Pradesh, India. 6. Prof. M N Hoda, Director, Bhairavi Vidyapeeth's Institute of Computer Application and Management, New Delhi, India. 7. Prof. RaghuRaj Singh, Professor, HBTU, Kanpur, India. 8. Prof. (Dr.) Dilip Sharma, Associate Dean (Academic Collaboration), GLA University, Mathura and Vice-Chairperson, IEEE UP Section, India. 9. Dr. Aseem Chandel, Convener, Professional Activities Committee, IEEE UP Section & Head Rajkiya Engineering College, Mainpuri, India. 10. Dr. Mohammad Lutfi Othman, Associate Professor, University of Putra Malaysia, Selangor, Malaysia. 11. Mr. Sheikh Abujar, Lecturer, Department of Computer Science and Engineering, Daffodil International University, Bangladesh. In total, there were over 257 individual authors from four countries, representing both academic and industrial organizations. The research areas covered at SMART-2019 were thus not only technical in nature, but reflected the diverse angles from which to approach this emerging research field. During the organization of this conference I received help from different people, departments and institutions. First, I would like to extend my sincere thanks to the Chief Patrons Shri. Suresh Jain, Chancellor, Teerthanker Mahaveer University, Moradabad and Shri Manish Jain, Group Vice Chairman, Teerthanker Mahaveer University, Moradabad, and the Patrons Prof. R.K. Mudgal, Vice Chancellor, Teerthanker Mahaveer University, Moradabad for their valuable support in organizing such an international conference. Secondly, I would like to thank the IEEE U.P. Section, India for their enthusiastic assistance and support to this conference. Now, I would like to thank the keynote speakers for their incredible speech on the main theme of the conference. I would like to thank both the authors who submitted their work to SMART-2019 and the external reviewers, who spent their time reviewing the research papers and providing the feedback that resulted in the selection of the papers featured in these proceedings. Several organizations provided financial and logistical assistance in organizing the conference, and I would like to acknowledge their support. Lastly, I want to thank to the programme committee members for their diligent and great work that made this conference possible. In conclusion, it was the team effort of all these people that made this conference a success. I welcome suggestions that may help improve the conference in the future. I look

Congratulations to all achievers

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Bilal Ahmad
B.Tech. Civil VIII



Prashant KUMAR
B.Tech Civil IV



Om Raj shrestha
B.Tech Civil VI



Aman Johri
B.Tech ME II



Shubham Verma
B.Tech EE VI



Shubham Jain
B.Tech EE VIII



Shreya
B.Tech EC II



Naim Ahmad
B.tech EC IV



Deepu Kumar
B.Tech EC VI



Anjali Arya
B.sc. Chem IV



Vishal malik
M.sc Physics II



Smriti agarwal
Msc Physics IV



Satakshi
B.sc Physics II



Meghali Tyagi
B.sc Physics IV

Congratulations T



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- VI Arbaz Khan
- IV Ritik Jain
- II Neha Singh-Patel

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- VI Himanshu Narayan Jha
- IV Mayank Jain
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- IV Amir Qureshi
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B.Tech EE IV



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M.sc Chemistry IV



Sunaina Kumari
B.sc Chemistry VI



Rupika
B.sc.Chem II



Harshita Bajeta
B.sc physics VI



Harshita Varshney
M.sc Math IV



Akshita Upadhyay
M.sc Math II



Tooba Noor
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Priyanshi Jain
B.sc Math VI

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- VI Shubham Jain
- IV Paras Kumar Jain
- II Arman Ahmad

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- VI Aakansha Singh
- IV Rahul Kochar
- II Rahul Verna

B.TECH.(Electronic Communication)

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II Prince Jain

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- II Ambrish Dubey

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- IV Harshita Rajput
- II Ritika

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- II Safoni
- IV Mohd Anas

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bca IV



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- IV Anjali Garg
- VI Md Faizan Ahmed

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II Shubham Vasker

- IV Sakshi Jain
- II Ajay Kumar Yadav
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Dixit

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BCA CTIS II



Siddhant Jain
B.tech IBM II



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B.tech IBM IV



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Raminder Singh Solanki
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TO OUR TOPPERS



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- X Hemant Kumar Rana

“Faculty Corner”

Happy New Year



Dr. Garima Goswami
Associate Professor, EE

You cannot change your future, but you can change your habits, and surely your habits will change your future.” — Dr. A.P.J. Abdul Kalam.

The new year explore a chance to perceive the world with new perspectives. You may be person of tomorrow, who observed yesterday and act today. When life throws a curveball, it is not your failure but an essential step of another bigger achievement. Take it as an opportunity to learn from it and optimize success. May you have a wonderful year ahead bringing elegant jiffies and treasured reminiscences and benisons of all. I wish you all a creative & successful New Year!

The New Year is a time of introspection to look back into the year gone by and for looking ahead to a time of new beginnings. A lot can happen in a year and adhere the deep trust on your conscious to feel the pleasure for you and for your loving one. Keep analysing the new challenges and enhance adaptability to admire your executions in better way. May the dawn of new year fill your life with new hopes open new horizons and bring for you promises of brighter tomorrows replete with blithesome tidings.

I wish you and your family a very blissful New Year 2020.



Dr. Pankaj Kr Goswami
Associate Professor, ECE



Dr. Amit K. Sharma
Department of Physics

My dear students, “Perfection is the key to success... I wish in this year, you work hard to be a perfectionist in whatever you do and surely success will come to you.... Promise yourself to never give up and this year will be all yours... With lots of luck”

Every day as a new day, let us celebrate them as a wish day. Every day as a new DAY let us distribute gifts to each other as a wish day! Every day as a new day, let us sing a song on one rhythm as a wish day. Every day as a new DAY let us celebrate them as a wish day!!

Warm wishes on New Year to all my students

Let's thank the year which has given us so many memories to remember as we prepare ourselves for the one which is about to take its place!

Never feel sad for what's gone and never come back. Be hopeful for the one which comes with million opportunities!

Its time to welcome a year that going to add new colors and new stories to your life. Happy New Year!

May the coming year be the most fruitful year of our lives. Happy new year to all!



Neeraj Chauhan
Assistant Professor

Certificate of Achievement

Happy New Year



Dr. Megha Sharma
Assistant Professor, CCSIT

"We will open the book. Its pages are blank. We are going to put words on them ourselves. The book is called Opportunity and its first chapter is New Year's Day." – **Edith Lovejoy Pierce**

Patience, perfection, and perseverance are the key to success. Work hard, be patient and achieve your goals. I hope you'll turn every opportunity into success in the coming year.

Happy New Year dear students.

Your success and happiness lies in you. Resolve to keep happy, and your joy and you shall form an invincible host against difficulties. – **Helen Keller**

No lesson is difficult once you start reading it, no goal is difficult to accomplish once you start working hard for you.... All you need to do is take the first step... May in this year, you take all the first steps you missed on in the last year... With lots of love, wish you Happy New Year.



Shikha Gambhir
Assistant Professor, CCSIT



Dr. Asim Ahmad
Professor,
Department of Chemistry

It has been found that lot of deterioration has occurred in the present Scenario of educational system among the students of all disciplines in Colleges /Universities due to their own ignorance and engagements. The actual aim has been lost and ultimately students get nothing in the end of their course program. I advice the students that year 2020 may be an outstanding year to achieve more prosperous future, if 1-Beliving in yourself. The students must perform self analysis and explore about own self. a- Always be polite . b-Maintain unity in diversity . c-Keep away from any kind of proud d- Cultivating a success mindset. e- Overcoming hprocrastination f-smart work .g-Not making excuses. Wishing you all the best and follow actual life style.

Let's thank the year which has given us so many memories to remember as we prepare ourselves for the one which is about to take its place!

Never feel sad for what's gone and never come back. Be hopeful for the one which comes with million opportunities!

Its time to welcome a year that going to add new colors and new stories to your life. Happy New Year!

May the coming year be the most fruitful year of our lives. Happy new year to all!



Mr. Nikhil Saxena
(Sr. office Executive)

"Student Corner"

LYRICS

She looks so beautiful with open hairs
It gets over loaded when she stares.
She has the most adorable smile
In a simple and in a very cute style.
I used to talk to her daily
About rivers mountains and valley.
Once i asked her to be my friend
Our daily conversation came to end.
I wish i would never have asked
To be my friend till the last.
I tried to talk to her over and again
It seems like I am completely banned
I want to get us like before
Sitting together and blab a lot more
For some mistakes there is no redemption
Pretty sure I won't get any attention
Why wasn't I the prey of snappy
So her life would be trouble free and happy

By-Danish Mohammad, BCA(CTIS)

POSTER



By- Paridhi Goyal, B.Sc Animation

May All your sorrows and hard times blocked
by your firewall
May All your happiness comes in VPN so that
no one can harm your happy time
May All your good memories stores in cloud
May All your bad-memories of past will
permanently delete from your system and your
system remain always healthy
May all your struggle codes run successfully.
May all your wishes comes true in a loop
without any error
May god bless you with the bes
Wish you all a very very happy and healthy
new year
#happy_new_year_2020

By :- Aniket Gupta, B.Tech (CTIS) I-Nurture

Motivation is crucial for your Academic success

They don't see how the knowledge they gain in the classroom is implementable in the real world, so they see homework as a pointless task with a single aim to cause them stress, consume their free time and exercise their brain cells. If that's your attitude towards homework, it is completely wrong!

All you need is a different perspective on your studies and you will understand how important they are. When you learn how to motivate yourself, the homework will immediately become important and meaningful in your eyes.

By :- Ayan Aftab, BCA (CTIS) I-Nurture

"May the spirit of the season of New Year fill your heart with serenity and peace. Wishing you a Happy New Year."

This New Year you may be blessed by the grace of almighty God. Plan your new year's months, weeks and days with the small set of actions needed for your upliftment and leads you towards your goal of life. Start, your new year with new enthusiasm and energy which guides you to achieve even small goals of your day to day life, as small achievements enhance the self confidence of your personality.

By_ Aksh Choudhary

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- **B.Tech.** (CSE) Application Development using Cloud and Analytics Platforms

Collaboration with i-Nurture

- **B.Tech** Cloud Technology & Information Security
- **B.Tech.**(CSE) Artificial Intelligence
- **BCA** Data Science
- **BCA** Mobile Applications & Web Technologies,
- **BCA** Cloud Technology & Information Security

- **M.Tech.** Computer Science and Engineering
- **BCA** Bachelor of Computer Applications
- **BCA** For Visually Challenged
- **B.Sc.** (Hons.) Computer Science
- **B.Sc.** Animation
- **MCA** Master of Computer Applications
- **MCA** For Visually Challenged
- **MCA** 2nd Year Lateral Entry
- **Ph.D.** Computer Science Engg. & Computer Applications

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VISIT
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